



WORLD
LEADING
COMBUSTION
SOLUTIONS



EFFICIENCY
MANUFACTURED
BY DEDICATED
PEOPLE





Welcome to the home of industry-leading burner technology. We provide comprehensive solutions for all industrial and commercial burner needs – from standard stock items to custom-engineered applications.

Driven by a passion for sustainability for over 20 years, our award-winning burners are engineered for efficiency and reliability. They deliver cost savings and emission reductions for a vast variety of applications worldwide. We help our customers minimize their environmental impact and fuel expenses, while remaining compliant with emissions standards.



Our LP burner range is installed as a single unit and fires between 0.75MMBtu through to 10MMBtu.



READY FOR NET ZERO

Leveraging over two decades of research and innovation, all our burners are 100% hydrogen approved. Ready for every eventuality, they fire up to seven different liquid and gaseous fuels and can even be commissioned with 'change on the fly'.

We help our customers stay ahead of future legislation and government targets. Our advanced low and ultra-low NOx technology is paired with a high efficiency, micro-modulating combustion management system to ensure that our burners meet the world's most stringent emissions requirements – to the point where emissions can be almost eradicated.



WHY CHOOSE LIMPSFIELD?

Cost savings: Retrofitting a boiler with a Limpsfield burner can generate up to 35% in fuel savings

Low emissions: The unique forced draft combustion design guarantees 3% O₂ throughout the firing range, driving burner efficiency at low emissions. All burners are low NO_x, some applications can opt for an ultra low NO_x burner

Hydrogen-firing: Only minimal adjustments are needed to the gashead to fire hydrogen

Low turndown: All our burners provide high turndowns typically between 4:1 and 10:1

Flexibility: We build around you. Our burner design enables us to match the fan size to the needs of the application and the site's expectations of equipment fit

Fuel firing: Suitable for alternative or simultaneous firing of all types of gaseous fuels and mineral fuel oils

Accessibility: Our large viewing port enables a unique view of the combustion process

High-efficiency package: Delivered with either a control unit or a tailored control panel, we maximize burner efficiency and reliability, as well as increase safety and compliance in the boiler room

Approved quality: ISO 9001:2015; CE, UL, and CUL approved

Regulatory compliance: All burners are fitted with micro-modulating, Autoflame control systems



OUR PRODUCTS

We offer two ranges – Limpsfield Package (LP) burners, and Limpsfield Custom (LC) burners – along with complementary engineering services and products.

LP BURNERS

Our 'Plug & Play' Solution

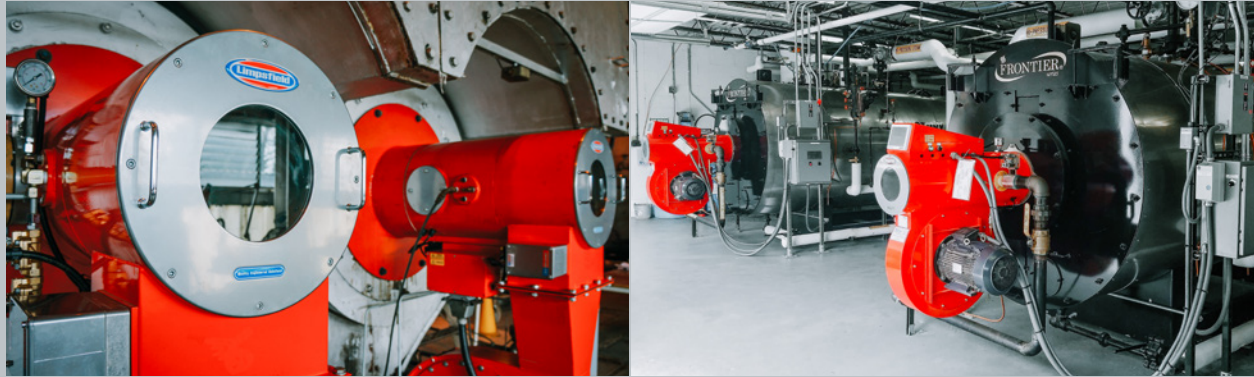
- > Easy installation and fast set-up as single unit
- > Firing range 0.75MMBtu to 10MMBtu
- > Designed for single or dual fuel (*natural gas or light oil, hydrogen, biogas and bio-oil*)
- > Highly efficient combustion, increased reliability, safety and compliance
- > Can be ordered in large quantities as stock



“

We've seen circa 10% savings per ton of product after a month of M&V testing. Your burner has an excellent performance.”

Olardo Nguyen
PASCO CO. LTD, VIETNAM



LC BURNERS

Tailored to your Application

- > Available from 3MMBtu to 220MMBtu output
- > Low NOx or ultra-low NOx
- > Engineered and manufactured to suit the application – from fan size and blower positioning, to fuel type/s
- > Available for fire and water tube boilers, kilns, incinerators and air dryers
- > For all gaseous and liquid fuels (e.g. natural gas, tallow, diesel, hydrogen, methanol, number 2 oil, heavy fuel oil, waste oils, animal fats, fish oils, bio gases)
- > 'Change on the fly'; unique to Limpsfield, can change between up to seven fuels without boiler downtime



OUR SERVICES

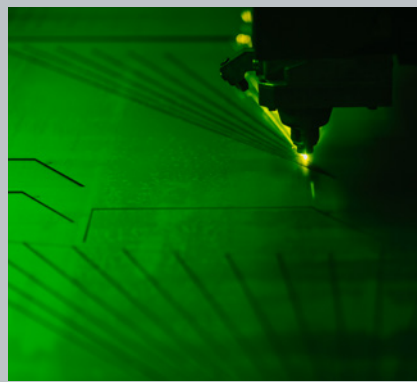
At Limpsfield, we also offer an array of expert design and engineering services. Every step in the process is performed in-house which enables us to create products 100% aligned to your site needs and to offer outstanding customer service.



FABRICATION

Our team of experienced and qualified fabricators includes coded welders.

- > Mig Welding
- > Tig Welding
- > Spot Welding
- > Robot Welding



PRECISION

Our workshop is equipped with the latest CNC machinery with full automation, CAD/CAM and assembly capability.

Our seasoned engineers bring a wealth of experience from various industries:

- > Automotive
- > Motorsport
- > Oil & Gas
- > Medical
- > Tooling Sectors



ENGINEERING

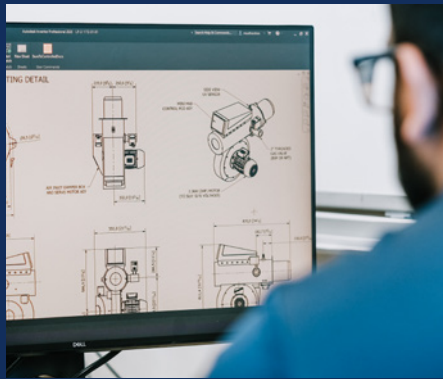
We provide comprehensive engineering services for an array of products, enhancing our burner installations. For example:

- > Gas Trains
- > Oil Pump Sets
- > Oil Pre-heating Sets
- > Silencers
- > FGR Assemblies
- > Plant Room Layouts

“
Excellent quality with the
finest detail on these burners.
Manufacturer support all the way
through. Cannot say enough about
this team or their products!”

Gilbert Martinez

COMBUSTION & CONTROL SERVICE LLC



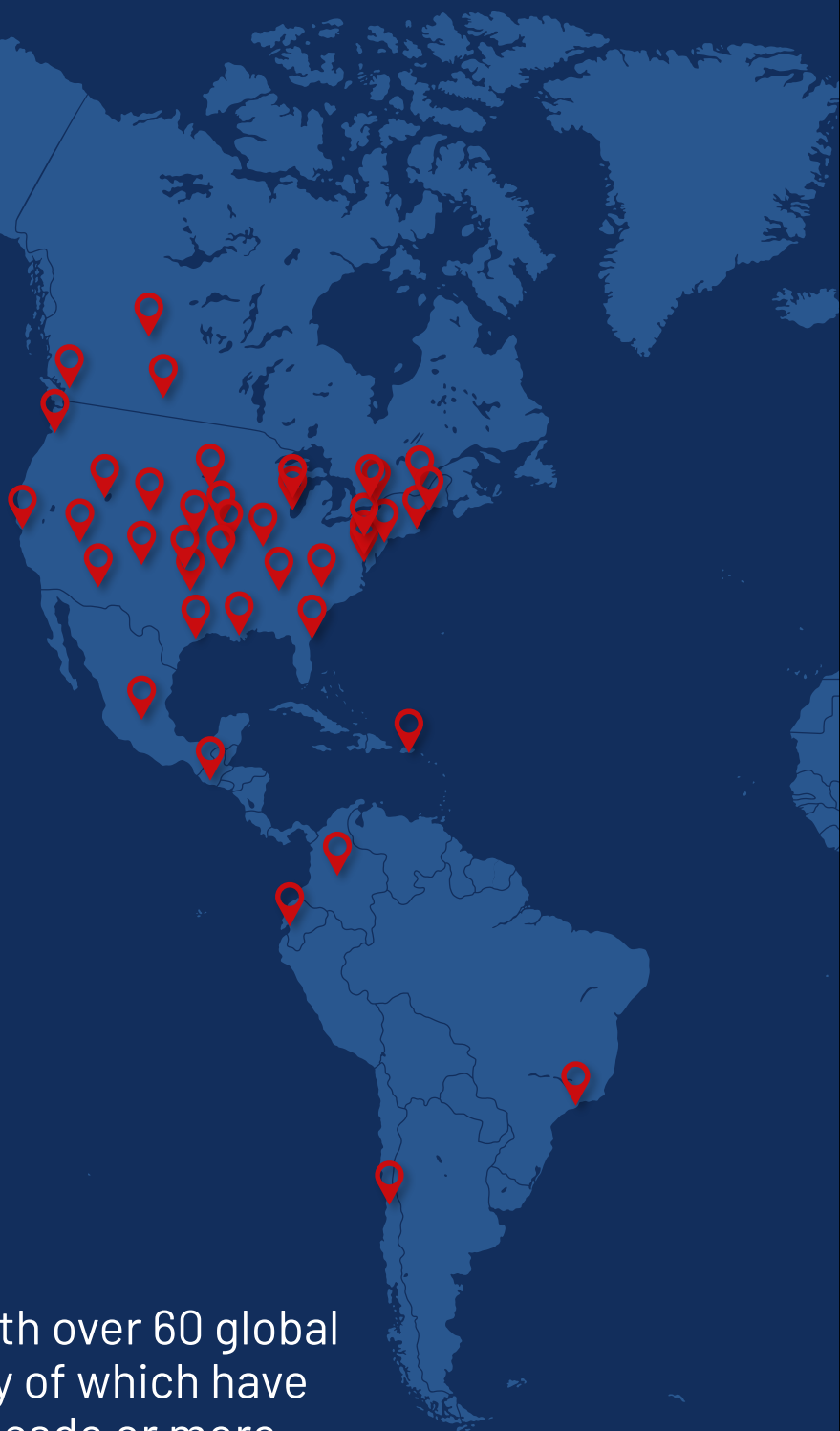
DESIGN

Our Design and Engineering team creates technical drawings and carries out stress analyses, using the latest versions of 2D and 3D Autodesk, as well as CFD packages. With a dedicated engineer for each project, our partners get responses to enquiries within 24 hours. Above all, customers receive a new set of drawings for every project, which is vital for a smooth installation on site.



CUSTOM MADE

You prefer your burners to be branded with your logo or national flag? Your site requires a heat resistant coating to protect the burner when burning oil, or you would prefer a burner color unique to your site? We will make it happen. 98% of our products are manufactured in-house, so we can cater to nearly all site requirements.



OUR TECH CENTERS

We proudly collaborate with over 60 global Technology Centers, many of which have been our partners for a decade or more.

Upholding our commitment to quality, safety, and reliability, we regularly provide our partners with training on our latest innovations. For a current list of representatives in your area, please visit www.limpsfield.co.uk.



“

*We are thankful to be partnered with you guys.
It has been a tremendous relationship.
Thanks for all you do for WARE.”*

Richie Ware
WARE

“

*I chose Limpsfield out of the group in the market
and I like to represent Limpsfield, because of the
customer support, and the level of involvement
that the owners provide.”*

Brandon Jarrell
VALLEY BOILER & MECHANICAL



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